

**ACCESSION NUMBER:** 1998-363606 [32] WPIX  
**DOC. NO. CPI:** C1998-111917  
**TITLE:** Process to improve powder flow properties  
 of e.g. pharmaceuticals - by adding silicon di  
 oxide as dry aerogel with specified porosity or  
 density.  
**DERWENT CLASS:** B07 E36 J04  
**PATENT ASSIGNEE(S):** (BAYE-N) BAYERISCHES ZENT ANGEWANDTE  
 ENERGIEFORSC  
**COUNTRY COUNT:** 1  
**PATENT INFORMATION:**

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN	IPC
DE--19653758	A1	19980625	(199832)*		4	B01J-002-30<--	

## APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
DE--19653758	A1	1996DE-1053758	19961220

PRIORITY APPLN. INFO: 1996DE-1053758 19961220

## INT. PATENT CLASSIF.:

MAIN: B01J-002-30  
 SECONDARY: C01B-033-14

## BASIC ABSTRACT:

DE 19653758 A UPAB: 19980812  
 Process for improving the flow properties of powders  
 comprises adding a  
 silicon dioxide flow aid comprising a supercritical or  
 subcritical dried  
 aerogel with a porosity above 60 (preferably >90)% or a  
 density of 100-200  
 kg/m3.

Also claimed is a pharmaceutical powder, as a pure  
 substance or  
 mixture, containing the flow aid.

USE - The additive improves the properties of powders  
 such as

titanium dioxide and carbon black, as well as  
 pharmaceuticals.

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